1963

Faculty Senate Committee on Curricular Affairs. 5th Report. (6 June 1963)

University of Rhode Island Faculty Senate

Senate 1

(Quintuplicate)

Original

UNIVERSITY OF RHODE ISLAND
FACULTY SENATE

Transmittal Form for Bills Approved by the Faculty Senate

From: The Chairman, Faculty Senate.
To: The President, Dr. Francis H. Horn
Enclosure

1. The attached bill, entitled Faculty Senate Committee on Curricular Affairs. 5th Report. (6 June 1963)

Is hereby forwarded to you for your consideration.

2. The official original and eight copies for your use are attached.

3. This bill was approved by vote of the Faculty Senate on 6 June 1963 (Date)

4. After your consideration, will you kindly indicate your approval or disapproval, as appropriate, and either return it or forward it to the Board of Trustees, as you may deem appropriate, completing the appropriate endorsement below.

5. Attention is invited to the fact that this bill will become effective on 27 June 1963 (Date) (three weeks after its approval by the Senate), in accordance with paragraph 8.2 of the Bylaws of the Faculty Senate as amended, or in accordance with provisions of the bill, unless it is disapproved by the President or by the Board of Trustees, or unless referendum is petitioned for by the Faculty.

22 June 1963 (Date)

Robert W. Harrison
Robert W. Harrison (Signature) Chairman, Faculty Senate.

Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Board of Trustees of State Colleges

1. Forwarded.
2. Approved.

(Date)

(Signature) President, University of R. I.

Alternate Endorsement 1.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate.

1. Returned.
2. Approved X. Disapproved ____.
3. (If approved) In my opinion, transmittal to the Board of Trustees would not be desired by the Board and is unnecessary.

25 June 1963 (Date)

Francis H. Horn
(Signature) President, University of R.I.

Continued on reverse side.

Endorsement 2.

From: The Board of Trustees of State Colleges.
To: The Chairman, Faculty Senate.
Via: The President, University of Rhode Island.

1. Returned.
2. Approved _____. Disapproved _____.

_____ _____
(Date) (Signature)

_____
(Office)

Endorsement 3.

From: The President, University of Rhode Island
To: The Chairman, Faculty Senate.

1. Forwarded.

_____ _____
(Date) (Signature) President, University of R.I.

Received 27 June 1963 Robert W. Harrison
Date (Signature) Chairman, Faculty Senate.

certified a true copy
Robert W. Harmon
(original retained by President's office)

Faculty Senate Committee on Curricular Affairs. 5th Report.

Recommendations for confirmation by the Senate. 6 June 1963.

The following course and curriculum changes have been approved by the respective college faculties having cognizance and have been reviewed and approved by this committee. The committee requests confirmation of their approval by the Faculty Senate.

Items from the Faculty of Arts and Sciences:

1. Add (New) Chemistry 1A. General Chemistry. Semester I, 4 credits. General chemistry, descriptive inorganic chemistry, qualitative analysis and an introduction to quantitative analysis. Required for students in the chemistry curriculum who have had a year of high school chemistry. (Lec. 3, Lab. 3) Rosie and Assistants.

2. Add (New) Chemistry 2A. General Chemistry. Semester II, 4 credits. Continuation of Chemistry 1A. (Lec. 3, Lab. 3). Rosie and Assistants.

3. Delete Chemistry 24. Physiological Chemistry.

4. Delete Chemistry 27. Physiological Chemistry.

5. Add (New) Chemistry 25. Introductory Biochemistry. Semester I, 3 credits. An introduction to the chemistry of biological transformations in the cell. The chemistry of carbohydrates, fats, proteins, nucleic acids, enzymes, vitamins, and hormones will be integrated into a general discussion of the energy yielding biosynthetic reaction in the cell. Designed for students who plan to use this course or Chem. 26 as a terminal course in biochemistry. (Lec. 3) Prerequisite: Chemistry 23 or equivalent. Dain.

6. Add (New) Chemistry 26. Biochemistry Laboratory. Semester II, 1 credit. Isolation, identification and analysis of carbohydrates, fats, proteins, lipids, and other substances of biological interest from foods. Designed for students in Home Economics and Agriculture. (Lab. 3) Prerequisite: Chemistry 25. Dain.

7. Authorize continuation for 1963-64 only, the following courses approved formerly only through 1962-63: Sociology 9, 10, special. The People and Cultures of Asia.

It is anticipated that the following will also be approved by the Committee on Curricular Affairs and be recommended to the Senate on 6 June.

Items from the Graduate Faculty

8. Change number of semesters, credits and description of Chem. 181 to: Chemistry 180, 181. General Biochemistry. Semesters I and II. 3 credits each. Systematic treatment of the principles of biochemistry. A basic course dealing with the chemistry of biological substances and the transformations in living organisms. (Lec. 3) Prerequisite: Chem. 22. Purvis and Dain.

9. Add (New) Chem. 190. Chemistry and Biochemistry of Carbohydrates. Semester II, 3 credits. Advanced course devoted to the chemistry of carbohydrates and their derivatives and their biological role. (Lec. 3) Prerequisite: Chem. 122 or 180 or permission of the Department. In alternate years; next offered 1964. Dain.

10. Authorize (New) for 1963 Summer Session only, Education 361s. Seminar in Educational Research. 1 credit. Selected topics related to research on teaching with special emphasis upon problem development, design of research topics, and the methodological equipment used. Individual thesis problems will serve as the central focus of the seminar. Prerequisite: Bachelors degree, 18 credits in Education and admitted to graduate degree candidacy. Not open to students who have taken Ed. 363. Moriarty.

11. Add (New) English 363. Seminar in Twentieth Century English Poetry. Semester I, 3 credits. A study of the poetry of W.B. Yeats, T.S. Eliot, and one additional poet: Auden, Graves, Lawrence, or Thomas. (Lec. 3). Hepburn.

12. Add (New) Education 241. Reading in the Secondary School. Semester I, 3 credits. An appraisal of reading achievement and needs; teaching reading and study skills in the content areas; survey of reading programs in junior and senior high schools. (Lec. 3) Prerequisite: Psychology 1, 2, and Education 12. In alternate years, next offered 1963-64. Aukerman.

13. Change course numbers to conform to numbering policy approved by Graduate Faculty and Faculty Senate. New course numbers are listed, with old numbers in parentheses.

14. Agricultural Chemistry 111 (11). Soil Chemistry.

15. Change title only of Ag. Chem. 152, Plant Chemistry, to Plant Biochemistry.

16. Add (New) Industrial Engineering 160. Process Engineering. Semester II. 3 credits. Design and selection of processes, equipment, tooling and production sequence for efficient and economic manufacture of products through mathematical analyses of physical and economic principles. (Lec. 2, Lab. 3) Prerequisites: I.E. 104 and credit or registration in I.E. 16. Rubinsky.

17. Add (New) I. E. 210. Industrial Ergonomics. Semester II. 3 credits. The course draws upon the knowledge of statics, dynamics, optics, time, sound, and electricity. Mathematical analyses are developed to solve problems and to derive principles of ergonomics for integration of human operators and engineering designs of equipment, work space, and work environment. (Lec. 3) Prerequisites: Permission of instructor. Nichols.

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18. Add (New) I. E. 220. Material Handling. Semester II. 3 credits. A course for development of principles for the engineering design and evaluation of equipment to move industrial materials in and between processes. Consideration is given to the chemical and physical characteristics of the material to be handled, rates of material flow, queuing, and economics. (Lec. 2, Lab. 3). Prerequisites: M.E. 63, C.E. 21, I.E. 104. Nichols.

19. Authorize offering of the Master of Science Degree in Industrial Engineering. The present department faculty will be augmented by appointment of 1 additional member with the Ph.D. degree. Courses available are as follows (including new ones above):

I. E. 102. Methods Engineering.
104(4) Engineering Economy.
111(11), 112(12). Engineering Statistics and Quality Control.
126(26). Seminar in Industrial Engineering.
127(27). Wage Incentives and Job Evaluation.
131. Linear Programming.
135. Statistical Methods for Research.
160. (New) Process Engineering.
? 191, 192. Special Problems.
210 (New). Industrial Ergonomics.
220 (New). Material Handling.
? 291, 292. Special Problems.
333(133). Advanced Statistical Methods in Industry.
334(134). Design and Analysis of Industrial Experiments.
? 391-392. Advanced Special Problems.

Robert W. Harmon
Chairman, Faculty Senate.